

L Number	Hits	Search Text	DB	Time stamp
1	138	((phosphonomethyl)glycine) and (space adj velocity)	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
2	1294	backmix\$	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
3	58452	(phosphonomethyl)glycine	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
4	19330	space adj velocity	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
5	2030	(phosphonomethyl)imidoacetic	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
6	11511	psia	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
7	2007	((phosphonomethyl)glycine) and ((phosphonomethyl)imidoacetic)	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
8	1	psia and (((phosphonomethyl)glycine) and ((phosphonomethyl)imidoacetic))	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
9	0	(((phosphonomethyl)glycine) and ((phosphonomethyl)imidoacetic)) and backmix\$	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
10	58636	mother	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
11	3314	((phosphonomethyl)glycine) and mother	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
12	22578	mother adj liquor	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
13	1788	((phosphonomethyl)glycine) and (mother adj liquor)	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
14	0	((phosphonomethyl)glycine) and (backmix\$ and (mother adj liquor))	USPAT; EPO; JPO; DERWENT	2003/05/15 06:56
15	504687	evap\$	USPAT; EPO; JPO; DERWENT	2003/05/15 06:57
16	59744	decant\$	USPAT; EPO; JPO; DERWENT	2003/05/15 06:57
17	28613	evap\$ and decant\$	USPAT; EPO; JPO; DERWENT	2003/05/15 09:02
18	0	((phosphonomethyl)glycine) and (backmix\$ and (evap\$ and decant\$))	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
19	5312	(phosphonomethyl)iminodiacetic	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
20	3004	((phosphonomethyl)glycine) and ((phosphonomethyl)iminodiacetic)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
21	0	backmix\$ and (((phosphonomethyl)glycine) and ((phosphonomethyl)iminodiacetic))	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
22	1440	ejector adj nozzle	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
23	0	(((phosphonomethyl)glycine) and ((phosphonomethyl)iminodiacetic)) and (ejector adj nozzle)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03

24	0	"back-mxed"	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
25	0	backmix\$ and ((562/17).CCLS.)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
26	317	"back-mixed"	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
27	992	"back-mixing"	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
28	1236	"back-mixed" or "back-mixing"	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
29	19330	space adj velocity	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
30	1480	loop adj reactor	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
31	0	backmix\$ and ((562/17).CCLS.)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
32	0	09612705.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
33	17247	adiabatic	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
34	36	((phosphonomethyl)glycine) and adiabatic	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
35	57831	glycine	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
36	0	(space adj velocity) and ((562/17).CCLS.)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
37	0	(adiabatic adj crystallization) and glycine	USPAT; EPO; JPO; DERWENT	2003/05/15 09:03
38	1352	multiple adj effect	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
39	912	catalyst adj recycle	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
40	255191	particle adj size	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
41	5825	((phosphonomethyl)glycine) and (particle adj size)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
42	375	catalyst adj bodies	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
43	0	((phosphonomethyl)glycine) and (catalyst adj bodies)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
44	37148	fluidized adj bed	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
45	478	((phosphonomethyl)glycine) and (fluidized adj bed)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
46	24231	fixed adj bed	USPAT; EPO; JPO; DERWENT	2003/05/15 09:04
47	0	((562/17).CCLS.) and (catalyst adj bodies)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:05

48	98221	crystallization	USPAT; EPO; JPO; DERWENT	2003/05/15 09:05
88	1263166	continuous	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:16
89	452	((phosphonomethyl)glycine) same continuous	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:16
90	28034	mother adj liquor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:16
92	3860	glyphosate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:16
93	617	continuous and glyphosate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:16
49	1	((((phosphonomethyl)glycine) and (space adj velocity)) and ((phosphonomethyl)imidoacetic	USPAT; EPO; JPO; DERWENT	2003/05/15 09:16
50	180	(562/17).CCLS.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
51	20	((562/17).CCLS.) and mother	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
52	27	((phosphonomethyl)glycine) near5 (mother adj liquor)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
53	16	backmix\$ and (mother adj liquor)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
54	32	backmix\$ and (evap\$ and decant\$)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
55	3	"06087803"	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
56	2	((phosphonomethyl)glycine) and backmix\$	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
57	13	(space adj velocity) and ((phosphonomethyl)glycine) and ((phosphonomethyl)iminodiacetic))	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
58	14	((phosphonomethyl)glycine) and (ejector adj nozzle)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
59	1	(ejector adj nozzle) and (loop adj reactor)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
60	25	((phosphonomethyl)glycine) near5 (mother adj liquor)) not (((562/17).CCLS.) and mother)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
61	6	((phosphonomethyl)glycine) and (loop adj reactor)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
62	2	6232494.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
63	1	6232494.URPN.	USPAT	2003/05/15 09:17
64	2	("back-mixed" or "back-mixing") and ((562/17).CCLS.)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
65	1	"6005140".PN.	USPAT	2003/05/15 09:17

66	15	((phosphonomethyl)iminodiacetic) and (((562/17).CCLS.) and mother)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
67	1	"5688994".PN.	USPAT	2003/05/15 09:17
68	1	"5658839".PN.	USPAT	2003/05/15 09:17
69	1	"5627125".PN.	USPAT	2003/05/15 09:17
70	1	"5606107".PN.	USPAT	2003/05/15 09:17
71	2	6278017.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
72	2	6130351.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
73	2	6265605.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
74	6	adiabatic adj crystallization	USPAT; EPO; JPO; DERWENT	2003/05/15 09:55
75	454	(multiple adj effect) adj evaporator	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
76	2	5087740.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
77	2	6270817.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
78	2	6278017.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
79	2	6130351.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
80	2	6265605.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
81	2	((562/17).CCLS.) and (catalyst adj recycle)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
82	7	((phosphonomethyl)glycine) and (catalyst adj recycle)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
83	2	6417133.pn.	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
84	29	(catalyst adj bodies) and (fluidized adj bed)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
85	74	((phosphonomethyl)glycine) and (fluidized adj bed)) and (fixed adj bed)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
86	4	((562/17).CCLS.) and (fluidized adj bed)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:17
87	2	3950402.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:17
91	13	((phosphonomethyl)glycine) same continuous) and (mother adj liquor)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:17
94	44	continuous same glyphosate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:17
95	2	6232494.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:17

96	2	6130351.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:17
97	1	9640592.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:17
98	1	0160830.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:17
99	17275	evaporative	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/15 09:55
100	198	evaporative adj crystallization	USPAT; EPO; JPO; DERWENT	2003/05/15 09:56
101	5	((phosphonomethyl)glycine) and (evaporative adj crystallization)	USPAT; EPO; JPO; DERWENT	2003/05/15 09:58
102	236	((phosphonomethyl)glycine) and evaporative	USPAT; EPO; JPO; DERWENT	2003/05/15 09:59
103	1	((((phosphonomethyl)glycine) and evaporative) and ((562/17).CCLS.)	USPAT; EPO; JPO; DERWENT	2003/05/15 12:09
104	912	catalyst adj recycle	USPAT; EPO; JPO; DERWENT	2003/05/15 12:10

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	BRS	L1	138	((phosphonomethyl)glycine) and (space adj velocity)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
2	BRS	L2	1294	backmix\$	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
3	BRS	L3	58452	(phosphonomethyl)glycine	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
4	BRS	L4	19330	space adj velocity	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
5	BRS	L5	2030	(phosphonomethyl)imidoacetic	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
6	BRS	L6	11511	psia	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
7	BRS	L7	2007	((phosphonomethyl)glycine) and ((phosphonomethyl)imidoacetic)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
8	BRS	L8	1	psia and (((phosphonomethyl)glycine) and ((phosphonomethyl)imidoacetic))	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
9	BRS	L9	0	(((phosphonomethyl)glycine) and ((phosphonomethyl)imidoacetic)) and backmix\$	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
10	BRS	L10	58636	mother	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		

	Err ors
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	Type	L #	Hits	Search T xt	DBs	Time Stamp	Comments	Error Definition
11	BRS	L11	3314	((phosphonomethyl)glycine) and mother	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
12	BRS	L12	22578	mother adj liquor	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
13	BRS	L13	1788	((phosphonomethyl)glycine) and (mother adj liquor)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
14	BRS	L14	0	((phosphonomethyl)glycine) and (backmix\$ and (mother adj liquor))	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:56		
15	BRS	L15	50468 7	evap\$	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:57		Truncation overflow.
16	BRS	L16	59744	decant\$	USPAT ; EPO; JPO; DERWE NT	2003/05/15 06:57		
17	BRS	L17	28613	evap\$ and decant\$	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:02		Truncation overflow.
18	BRS	L18	0	((phosphonomethyl)glycine) and (backmix\$ and (evap\$ and decant\$))	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		Truncation overflow.
19	BRS	L19	5312	(phosphonomethyl)iminodia cetic	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
20	BRS	L20	3004	((phosphonomethyl)glycine) and ((phosphonomethyl)iminodi acetic)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		

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17	1
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20	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
21	BRS	L21	0	backmix\$ and (((phosphonomethyl)glycin e) and ((phosphonomethyl)iminodi acetic))	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
22	BRS	L22	1440	ejector adj nozzle	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
23	BRS	L23	0	(((phosphonomethyl)glycin e) and ((phosphonomethyl)iminodi acetic)) and (ejector adj nozzle)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
24	BRS	L24	0	"back-mxed"	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
25	BRS	L25	0	backmix\$ and ((562/17).CCLS.)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
26	BRS	L26	317	"back-mixed"	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
27	BRS	L27	992	"back-mixing"	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
28	BRS	L28	1236	"back-mixed" or "back-mixing"	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
29	BRS	L29	19330	space adj velocity	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
30	BRS	L30	1480	loop adj reactor	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		

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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
31	BRS	L31	0	backmix\$ and ((562/17).CCLS.)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
32	BRS	L32	0	09612705.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
33	BRS	L33	17247	adiabatic	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
34	BRS	L34	36	((phosphonomethyl)glycine) and adiabatic	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
35	BRS	L35	57831	glycine	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
36	BRS	L36	0	(space adj velocity) and ((562/17).CCLS.)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
37	BRS	L37	0	(adiabatic adj crystallization) and glycine	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:03		
38	BRS	L38	1352	multiple adj effect	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:04		
39	BRS	L39	912	catalyst adj recycle	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:04		
40	BRS	L40	25519 1	particle adj size	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:04		

	Err ors
31	0
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33	0
34	0
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36	0
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
41	BRS	L41	5825	((phosphonomethyl)glycine) and (particle adj size)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:04		
42	BRS	L42	375	catalyst adj bodies	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:04		
43	BRS	L43	0	((phosphonomethyl)glycine) and (catalyst adj bodies)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:04		
44	BRS	L44	37148	fluidized adj bed	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:04		
45	BRS	L45	478	((phosphonomethyl)glycine) and (fluidized adj bed)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:04		
46	BRS	L46	24231	fixed adj bed	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:04		
47	BRS	L47	0	((562/17).CCLS.) and (catalyst adj bodies)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:05		
48	BRS	L48	98221	crystallization	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:05		
49	BRS	L88	12631 66	continuous	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:16		

	Err ors
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49	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
50	BRS	L89	452	((phosphonomethyl)glycine) same continuous	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:16		
51	BRS	L90	28034	mother adj liquor	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:16		
52	BRS	L92	3860	glyphosate	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:16		
53	BRS	L93	617	continuous and glyphosate	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:16		
54	BRS	L49	1	((((phosphonomethyl)glycin e) and (space adj velocity)) and ((phosphonomethyl)imidoac etic)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:16		
55	IS&R	L50	180	(562/17).CCLS.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
56	BRS	L51	20	((562/17).CCLS.) and mother	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
57	BRS	L52	27	((phosphonomethyl)glycine) near5 (mother adj liquor)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
58	BRS	L53	16	backmix\$ and (mother adj liquor)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		

	Errors
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51	0
52	0
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56	0
57	0
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
59	BRS	L54	32	backmix\$ and (evap\$ and decant\$)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		Truncation overflow.
60	BRS	L55	3	"06087803"	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
61	BRS	L56	2	((phosphonomethyl)glycine) and backmix\$	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
62	BRS	L57	13	(space adj velocity) and ((phosphonomethyl)glycine) and ((phosphonomethyl)iminodi acetic))	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
63	BRS	L58	14	((phosphonomethyl)glycine) and (ejector adj nozzle)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
64	BRS	L59	1	(ejector adj nozzle) and (loop adj reactor)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
65	BRS	L60	25	((((phosphonomethyl)glycine) near5 (mother adj liquor)) not ((562/17).CCLS.) and mother)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
66	BRS	L61	6	((phosphonomethyl)glycine) and (loop adj reactor)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
67	BRS	L62	2	6232494.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
68	BRS	L63	1	6232494.URPN.	USPAT	2003/05/15 09:17		
69	BRS	L64	2	("back-mixed" or "back-mixing") and ((562/17).CCLS.)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		

	Err ors
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64	0
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
70	BRS	L65	1	"6005140".PN.	USPAT	2003/05/15 09:17		
71	BRS	L66	15	((phosphonomethyl)iminodi acetic) and (((562/17).CCLS.) and mother)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
72	BRS	L67	1	"5688994".PN.	USPAT	2003/05/15 09:17		
73	BRS	L68	1	"5658839".PN.	USPAT	2003/05/15 09:17		
74	BRS	L69	1	"5627125".PN.	USPAT	2003/05/15 09:17		
75	BRS	L70	1	"5606107".PN.	USPAT	2003/05/15 09:17		
76	BRS	L71	2	6278017.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
77	BRS	L72	2	6130351.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
78	BRS	L73	2	6265605.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
79	BRS	L74	6	adiabatic adj crystallization	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:55		
80	BRS	L75	454	(multiple adj effect) adj evaporator	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
81	BRS	L76	2	5087740.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
82	BRS	L77	2	6270817.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		

	Err ors
70	0
71	0
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	0
82	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
83	BRS	L78	2	6278017.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
84	BRS	L79	2	6130351.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
85	BRS	L80	2	6265605.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
86	BRS	L81	2	((562/17).CCLS.) and (catalyst adj recycle)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
87	BRS	L82	7	((phosphonomethyl)glycine) and (catalyst adj recycle)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
88	BRS	L83	2	6417133.pn.	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
89	BRS	L84	29	(catalyst adj bodies) and (fluidized adj bed)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
90	BRS	L85	74	((((phosphonomethyl)glycin e) and (fluidized adj bed)) and (fixed adj bed)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
91	BRS	L86	4	((562/17).CCLS.) and (fluidized adj bed)	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:17		
92	BRS	L87	2	3950402.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:17		

	Err ors
83	0
84	0
85	0
86	0
87	0
88	0
89	0
90	0
91	0
92	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
93	BRS	L91	13	((phosphonomethyl)glycine) same continuous) and (mother adj liquor)	USPAT; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:17		
94	BRS	L94	44	continuous same glyphosate	USPAT; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:17		
95	BRS	L95	2	6232494.pn.	USPAT; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:17		
96	BRS	L96	2	6130351.pn.	USPAT; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:17		
97	BRS	L97	1	9640592.pn.	USPAT; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:17		
98	BRS	L98	1	0160830.pn.	USPAT; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:17		
99	BRS	L99	17275	evaporative	USPAT; US-PG PUB; EPO; JPO; DERWE NT	2003/05/15 09:55		
100	BRS	L100	198	evaporative adj crystallization	USPAT; EPO; JPO; DERWE NT	2003/05/15 09:56		

	Err ors
93	0
94	0
95	0
96	0
97	0
98	0
99	0
100	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
101	BRS	L101	5	13 and 1100	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:58		
102	BRS	L102	236	13 and 199	USPAT ; EPO; JPO; DERWE NT	2003/05/15 09:59		
103	BRS	L103	1	1102 and 150	USPAT ; EPO; JPO; DERWE NT	2003/05/15 12:09		
104	BRS	L104	912	catalyst adj recycle	USPAT ; EPO; JPO; DERWE NT	2003/05/15 12:10		

	Err ors
1010	
1020	
1030	
1040	

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PASSWORD:

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NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEx enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS EXPRESS		April 4	CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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NEWS INTER			General Internet Information

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=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

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FILE COVERS 1907 - 15 May 2003 VOL 138 ISS 20

FILE LAST UPDATED: 14 May 2003 (20030514/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> glyphosate

4486 GLYPHOSATE

18 GLYPHOSATES

L1 4487 GLYPHOSATE

(GLYPHOSATE OR GLYPHOSATES)

=> adiabatic

39476 ADIABATIC

51 ADIABATICS

L2 39510 ADIABATIC

(ADIABATIC OR ADIABATICS)

=> l1 and l2

L3 1 L1 AND L2

=> d 13 ti fbib abs

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
TI Reaction systems for n-(phosphonomethyl)glycine production
AN 2001:886139 CAPLUS
DN 136:8084
TI Reaction systems for n-(phosphonomethyl)glycine production
IN Hauptfear, Eric; Heise, Jerald; Jorgenson, Amy I.; Rogers, Michael; Chien, Henry; Casanova, Eduardo; Hooper, William B.; Wittler, Kent; Scholle, William; Arhancet, Juan
PA Monsanto Technology, Llc, USA; et al.
SO PCT Int. Appl., 347 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001092272	A2	20011206	WO 2001-US10826	20010522
	WO 2001092272	A3	20020516		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
				US 2000-206562PP	20000522
				US 2000-220140PP	20000721
				US 2000-230240PP	20000901
	US 2002068836	A1	20020606	US 2001-863885	20010522
				US 2000-206562PP	20000522
				US 2000-220140PP	20000721
				US 2000-230240PP	20000901
	EP 1283841	A2	20030219	EP 2001-937167	20010522
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
				US 2000-206562PP	20000522
				US 2000-220140PP	20000721
				US 2000-230240PP	20000901
				WO 2001-US10826W	20010522

OS MARPAT 136:8084
AB A liq.-phase oxidn. processes for making N-(phosphonomethyl)glycine (also known in the agricultural chem. industry as **glyphosate**) and related compds, relates to processes wherein an N-(phosphonomethyl)iminodiacetic acid (NPMIDA) substrate (i.e., N-(phosphonomethyl)iminodiacetic acid, a salt of N-(phosphonomethyl)iminodiacetic acid, or an ester of N-(phosphonomethyl)iminodiacetic acid) is continuously oxidized to form an N-(phosphonomethyl)glycine product (i.e., N-(phosphonomethyl)glycine, a salt of N-(phosphonomethyl)glycine, or an ester of N-(phosphonomethyl)glycine), which, in turn, is crystd. (at least in part) in an **adiabatic** crystallizer.

=> crystalliz?

151398 CRYSTALLIZ?
80540 CRYSTD

80540 CRYSTD
 (CRYSTD)
 15986 CRYSTG
 202378 CRYSTN
 2209 CRYSTNS
 203635 CRYSTN
 (CRYSTN OR CRYSTNS)
 L4 334615 CRYSTALLIZ?
 (CRYSTALLIZ? OR CRYSTD OR CRYSTG OR CRYSTN)

=> d his

(FILE 'HOME' ENTERED AT 06:19:24 ON 15 MAY 2003)

FILE 'CAPLUS' ENTERED AT 06:19:31 ON 15 MAY 2003
 L1 4487 GLYPHOSATE
 L2 39510 ADIABATIC
 L3 1 L1 AND L2
 L4 334615 CRYSTALLIZ?

=> 12(1)14

L5 352 L2(L)L4

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.50	10.71
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-0.65

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STRUCTURE FILE UPDATES: 13 MAY 2003 HIGHEST RN 514787-08-7
 DICTIONARY FILE UPDATES: 13 MAY 2003 HIGHEST RN 514787-08-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNnote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e phosphonomethylglycine/cn

E1 1 PHOSPHONOMETHYL GLYCINAMIDE/CN
 E2 1 PHOSPHONOMETHYL-PHENYLALANINE/CN
 E3 1 --> PHOSPHONOMETHYLGLYCINE/CN
 E4 1 PHOSPHONOMETHYLIMINOACETIC ACID/CN

E5 1 PHOSPHONOMETHYLIMINODIACETIC ACID/CN
 E6 1 PHOSPHONOMUTASE 2 (ESCHERICHIA COLI O157:H7 STRAIN EDL933
 GE NE PRPB)/CN
 E7 1 PHOSPHONOMUTASE 2 (ESCHERICHIA COLI STRAIN O157:H7 GENE
 ECS0 385)/CN
 E8 1 PHOSPHONOMUTASE, CARBOXYPHOSPHONOENOLPYRUVATE/CN
 E9 1 PHOSPHONOMUTASE, CARBOXYPHOSPHONOENOLPYRUVATE
 (PHYSCOMITRELL
 E10 1 A PATENS CLONE 88_MM13_G11REV FRAGMENT)/CN
 (STREPTOMYCES PHOSPHONOMUTASE, CARBOXYPHOSPHONOENOLPYRUVATE
 E11 1 HYGROSCOPICUS CLONE PBS-BAM3 SUBUNIT REDUCED)/CN
 (STREPTOMYCES PHOSPHONOMUTASE, CARBOXYPHOSPHONOENOLPYRUVATE
 E12 1 HYGROSCOPICUS CLONE PMSB113 REDUCED)/CN
 SO PHOSPHONOMUTASE, CARBOXYPHOSPHONOENOLPYRUVATE (SULFOLOBUS
 LFATARICUS GENE PRPB)/CN

=> e3

L6 1 PHOSPHONOMETHYLGLYCINE/CN

=> d 16

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
 RN 1071-83-6 REGISTRY
 CN Glycine, N-(phosphonomethyl)- (7CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN (Carboxymethylamino)methylphosphonic acid
 CN Accord
 CN Carboxymethylaminomethanephosphinic acid
 CN Folusen
 CN Forsat
 CN Glialka
 CN Glialka 36
 CN Glyphodin A
 CN Glyphomax
 CN Glyphosate
 CN Glyphosate CT
 CN Herbatop
 CN Hockey
 CN Kickdown
 CN Lancer
 CN MON 2139
 CN MON 6000
 CN N-Phosphomethylglycine
 CN N-Phosphonomethylglycine
 CN Phorsat
 CN **Phosphonomethylglycine**
 CN Phosphonomethyliminoacetic acid
 CN Rebel Garden
 FS 3D CONCORD
 DR 37337-60-3, 75241-08-6, 42618-09-7
 MF C3 H8 N O5 P
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
 CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU,

EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, ULIDAT,
USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

HO2C-CH2-NH-CH2-PO3H2

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4396 REFERENCES IN FILE CA (1957 TO DATE)
257 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4404 REFERENCES IN FILE CAPLUS (1957 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
6.70	17.41

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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=> l6

L7 4404 L6

=> d his

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FILE 'CAPLUS' ENTERED AT 06:19:31 ON 15 MAY 2003
L1 4487 GLYPHOSATE
L2 39510 ADIABATIC
L3 1 L1 AND L2
L4 334615 CRYSTALLIZ?
L5 352 L2 (L) L4

FILE 'REGISTRY' ENTERED AT 06:23:48 ON 15 MAY 2003
E PHOSPHONOMETHYLGLYCINE/CN
L6 1 E3

FILE 'CAPLUS' ENTERED AT 06:24:45 ON 15 MAY 2003
L7 4404 L6

=> 12 and 17
L8 1 L2 AND L7

=> 15 and 18
L9 1 L5 AND L8

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.84	23.25
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
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 NEWS 36 May 05 Pharmacokinetic information and systematic chemical names
 added to PHAR
 NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
 MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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FILE 'HOME' ENTERED AT 10:20:53 ON 15 MAY 2003

=> file caplus

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ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

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FILE COVERS 1907 - 15 May 2003 VOL 138 ISS 20
FILE LAST UPDATED: 14 May 2003 (20030514/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> vaporative crystal?

2 VAPORATIVE
1491759 CRYSTAL?
300957 CRYST
1796 CRYSTS
302226 CRYST
(CRYST OR CRYSTS)
80540 CRYSTD
15986 CRYSTG
202378 CRYSTN
2209 CRYSTNS
203635 CRYSTN
(CRYSTN OR CRYSTNS)
1762414 CRYSTAL?
(CRYSTAL? OR CRYST OR CRYSTD OR CRYSTG OR CRYSTN)
L1 1 VAPORATIVE CRYSTAL?
(VAPORATIVE (W) CRYSTAL?)

=> evaporative crystal?

6566 EVAPORATIVE
1 EVAPORATIVES
6567 EVAPORATIVE
(EVAPORATIVE OR EVAPORATIVES)
1491759 CRYSTAL?
300957 CRYST
1796 CRYSTS
302226 CRYST
(CRYST OR CRYSTS)
80540 CRYSTD
15986 CRYSTG
202378 CRYSTN
2209 CRYSTNS
203635 CRYSTN
(CRYSTN OR CRYSTNS)
1762414 CRYSTAL?
(CRYSTAL? OR CRYST OR CRYSTD OR CRYSTG OR CRYSTN)
L2 218 EVAPORATIVE CRYSTAL?
(EVAPORATIVE (W) CRYSTAL?)

=> glyphosate

4486 GLYPHOSATE
18 GLYPHOSATES
L3 4487 GLYPHOSATE
(GLYPHOSATE OR GLYPHOSATES)

=> l2 and l3

L4 0 L2 AND L3

=> file reg

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE
ENTRY
9.44

TOTAL
SESSION
9.65

FILE 'REGISTRY' ENTERED AT 10:21:53 ON 15 MAY 2003
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 14 MAY 2003 HIGHEST RN 515808-31-8
DICTIONARY FILE UPDATES: 14 MAY 2003 HIGHEST RN 515808-31-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e glyphosate/cn

E1 1 GLYPHOS/CN
E2 1 GLYPHOS, (+)-/CN
E3 1 --> GLYPHOSATE/CN
E4 1 GLYPHOSATE C-P LYASE/CN
E5 1 GLYPHOSATE CT/CN
E6 1 GLYPHOSATE DIAMMONIUM SALT/CN
E7 1 GLYPHOSATE DIMETHYLAMINE SALT/CN
E8 1 GLYPHOSATE ISOPROPYLAMINE/CN
E9 1 GLYPHOSATE ISOPROPYLAMINE SALT/CN
E10 1 GLYPHOSATE ISOPROPYLAMINE-OXYFLUORFEN MIXT./CN
E11 1 GLYPHOSATE MONO(DIMETHYLAMINE) SALT/CN
E12 1 GLYPHOSATE MONO(DIMETHYLAMMONIUM) SALT/CN

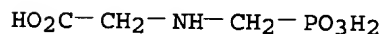
=> e3

L5 1 GLYPHOSATE/CN

=> d l5

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS
RN 1071-83-6 REGISTRY
CN Glycine, N-(phosphonomethyl)- (7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN (Carboxymethylamino)methylphosphonic acid

CN Accord
 CN Carboxymethylaminomethanephosphinic acid
 CN Folusen
 CN Forsat
 CN Glialka
 CN Glialka 36
 CN Glyphodin A
 CN Glyphomax
 CN **Glyphosate**
 CN Glyphosate CT
 CN Herbatop
 CN Hockey
 CN Kickdown
 CN Lancer
 CN MON 2139
 CN MON 6000
 CN N-Phosphomethylglycine
 CN N-Phosphonomethylglycine
 CN Phorsat
 CN Phosphonomethylglycine
 CN Phosphonomethyliminoacetic acid
 CN Rebel Garden
 FS 3D CONCORD
 DR 37337-60-3, 75241-08-6, 42618-09-7
 MF C3 H8 N O5 P
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
 CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU,
 EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
 MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, ULIDAT,
 USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

4396 REFERENCES IN FILE CA (1957 TO DATE)
 257 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 4404 REFERENCES IN FILE CAPLUS (1957 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.30

15.95

FILE 'CAPLUS' ENTERED AT 10:22:18 ON 15 MAY 2003

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FILE COVERS 1907 - 15 May 2003 VOL 138 ISS 20
FILE LAST UPDATED: 14 May 2003 (20030514/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 10:20:53 ON 15 MAY 2003)

FILE 'CAPLUS' ENTERED AT 10:20:59 ON 15 MAY 2003

L1 1 VAPORATIVE CRYSTAL?
L2 218 EVAPORATIVE CRYSTAL?
L3 4487 GLYPHOSATE
L4 0 L2 AND L3

FILE 'REGISTRY' ENTERED AT 10:21:53 ON 15 MAY 2003

E GLYPHOSATE/CN
L5 1 E3

FILE 'CAPLUS' ENTERED AT 10:22:18 ON 15 MAY 2003

=> 15

L6 4404 L5

=> 12 and 16

L7 1 L2 AND L6

=> d 17

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 2002:794041 CAPLUS
DN 137:299138
TI Removal and recovery of chloride from phosphonomethyliminodiacetic acid process brine
IN Phillips, Scott G.
PA USA
SO U.S. Pat. Appl. Publ., 3 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002148786	A1	20021017	US 2001-834850	20010413
PRAI	US 2001-834850		20010413		

=> evapor?

76183 EVAPOR?

16778 EVAP

2308 EVAPS

18967 EVAP

(EVAP OR EVAPS)

126104 EVAPD

1 EVAPDS

126105 EVAPD

(EVAPD OR EVAPDS)

27730 EVAPG

144486 EVAPN

406 EVAPNS

144732 EVAPN

(EVAPN OR EVAPNS)

L8 322628 EVAPOR?

(EVAPOR? OR EVAP OR EVAPD OR EVAPG OR EVAPN)

=> cryst?

L9 1763302 CRYST?

=> 18 and 19

L10 65199 L8 AND L9

=> 16 and 110

L11 3 L6 AND L10

=> d l11 1-3 ti fbib abs

L11 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Removal and recovery of chloride from phosphonomethyliminodiacetic acid process brine

AN 2002:794041 CAPLUS

DN 137:299138

TI Removal and recovery of chloride from phosphonomethyliminodiacetic acid process brine

IN Phillips, Scott G.

PA USA

SO U.S. Pat. Appl. Publ., 3 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002148786	A1	20021017	US 2001-834850	20010413
				US 2001-834850	20010413

AB Chloride is selectively isolated as NaCl from N-phosphonomethyliminodiacetic acid process wastes by **evaporative crystn.** of the caustic neutralized brine.

L11 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Interaction of surfactant and leaf surface in glyphosate absorption

AN 1993:465583 CAPLUS

DN 119:65583

TI Interaction of surfactant and leaf surface in glyphosate absorption

AU Knoche, Moritz; Bukovac, Martin J.

CS Dep. Hortic., Michigan State Univ., East Lansing, MI, 48824-1325, USA

SO Weed Science (1993), 41(1), 87-93

CODEN: WEESA6; ISSN: 0043-1745

DT Journal
 LA English
 AB The effect of oxyethylene (OE) chain length of three homologous series of nonionic surfactants (allinol, nonoxynol, octoxynol) on glyphosate uptake was markedly affected by the leaf surface fine-structure of sugar beet and kohlrabi. Adaxial leaf surfaces of sugar beet were covered with a layer of amorphous wax, whereas the adaxial surface of kohlrabi leaves was covered with fine **cryst.** wax. Foliar uptake of glyphosate (1 mM glyphosate, 20 mM glycine, pH 3.2) averaged 4% for sugar beet without surfactant, but droplets were not retained by kohlrabi leaves in the absence of a surfactant. Glyphosate absorption with octoxynol (9 to 10 units, 0.5 g L⁻¹) was rapid initially (0 to 2 h) and leveled off about 2 h after application in both species. Absorption by sugar beet decreased from 12 to 3% as OE content of octoxynol was increased from 5 to 30 OE units. In contrast, surfactants of intermediate OE content (octoxynol, 16 OE units) induced the greatest uptake (17%) on kohlrabi. Leaf wetting was markedly affected by surfactant and leaf surface. As OE content of octoxynol increased from 5 to 30 OE units, droplet/leaf interface areas of 1- μ L droplets decreased from 4 to 3 mm² on their adaxial leaf surface of sugar beet and from 61 to 2 mm² on kohlrabi. Concurrently, the rate of droplet **evapn.** (1 μ L) decreased from 1.0 to 0.7 nL s⁻¹ on sugar beet and 4.2 to 0.5 nL s⁻¹ on kohlrabi leaves. The effect of OE content on enhancement of glyphosate uptake and wetting characteristics of spray solns. was similar within species for different hydrophobic moieties but differed markedly between species.

L11 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS
 TI Process for the preparation of the herbicide N-(phosphonomethyl)glycine
 AN 1988:473659 CAPLUS
 DN 109:73659
 TI Process for the preparation of the herbicide N-(phosphonomethyl)glycine
 PA Lerida Union Quimica S. A., Spain
 SO Span., 9 pp. Patent of Importation
 CODEN: SPXXAD

DT Patent
 LA Spanish

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ES 553523	A3	19870701	ES 1986-553523	19860331
				HU 1974-2251	19740627
AB	The herbicide (HO) ₂ P(O)CH ₂ NHCH ₂ CO ₂ H (I) is prepd. from HCHO, glycine, and either di-Me or di-Et phosphite. A stirred mixt. of 15 mL 35% aq. HCHO and 55 mL 2N NaOH was treated with 7.5 g glycine, stirred 10 min, treated with 10.7 g di-Me phosphite, and kept at 100.degree. for 2 h. Cooling and neutralization gave an oil contg. (MeO) ₂ P(O)CH ₂ NHCH ₂ CO ₂ H, which was refluxed in 100 mL 6N HCl for 5 h. Evapn. , crystn. from EtOH, and recrystn. from aq. MeOH gave 60% yield of pure I.				

=> logoff hold

COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE
ENTRY
13.37

TOTAL
SESSION
29.32

SINCE FILE
ENTRY
-1.95

TOTAL
SESSION
-1.95

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:24:49 ON 15 MAY 2003